

## Component Video + Audio over IP Extender/Receiver, Cat5e/6, Serial and IR Control, 1080i, 328 ft. (100 m), TAA

MODEL NUMBER: B160-100-CSI



Receives IP-based audio + video signal transmitted point-to-point from a source 328 ft. away via Cat5e/6 cable or through a dedicated Ethernet network switch.

### Description

The B160-100-CSI RGB Component Video + Audio over IP Extender Receiver works with a Tripp Lite B160-Series transmitter (sold separately) to extend and distribute component video + stereo audio, RS-232 serial and IR (infrared) remote signals from the source to the display located up to 328-ft. (100 m) away, which is more than 200-ft. (60.96 m) farther than a traditional Cat5e/6 solution. By adding a chain of low-cost unmanaged network switches, such as Tripp Lite's NG5, you can continue extending the distance between source and display up to 328-ft. (100 m) per switch.

Create a multi-in, multi-out installation with up to 64 transmitters and 255 receivers\* by connecting dedicated managed Ethernet network switches\*\* with Internet Group Management Protocol (IGMP), such as Tripp Lite's NSS-G16D2. With a compatible B160-Series transmitter, this receiver works with any analog or digital source, including HDMI, VGA and DisplayPort, allowing you to mix and match technologies and use existing source devices. An IGMP-enabled switch will let you manage all connections for centralized control over which sources show on which displays.

The B160-100-CSI supports video resolutions up to 1080i. It extends IR control signals that control a source, such as a Blu-ray player, from a remote display, as well as RS-232 signals at serial baud rates up to 57600 Bps. It mounts to a wall, rack or pole using the included hardware.

*\*Unmanaged switch installations are limited to two transmitter units. Number of receivers is limited to number of ports remaining on unmanaged switch.*

*\*\*B160-Series designed for use with dedicated network switch. Connecting to a switch used with other networking equipment will result in degraded or non-functional performance.*

### Features

#### RGB Component Video + Stereo Audio, Serial and IR Control Signals over Cat5/6 Cabling

- Receives IP-based audio + video transmitted point-to-point from a source 328 ft. away
- Add low-cost network switches between transmitter and receiver to continue extending distance up to 328 ft. per switch

#### Create a Multi-In, Multi-Out Installation Using B160-Series Transmitters and Receivers

- Connect up to 64 transmitters and 255 receivers through multiple dedicated managed network switches
- IGMP-enabled switches allow centralized control over which sources show on which displays

### Highlights

- Compatible with Tripp Lite B160-Series A/V over IP transmitters
- Display video from any source, analog or digital
- Supports video resolutions up to 1080i
- Scales up to multi-in, multi-out installation with network switch
- Plug and play—no software or drivers required

### Package Includes

- Receiver unit
- External power supply (Input: 100–240V, 50/60 Hz, 0.5A; Output: 5V 2A)
- Plug adapters for U.S., U.K., Europe and Australia
- IR-In cable
- 3.5 mm to DB9 adapter cable (M/M)
- Mounting hardware
- Owner's manual



- Displays video from any analog or digital source, so you can mix and match technologies and use existing sources and monitors

#### Enhanced Technical Features

- Supports video resolutions up to 1080i
- Uses H.264 video compression standard
- Transmits on 20–60 kHz IR frequency
- Extends IR control signals that control a source from a remote display
- Supports RS-232 serial baud rates up to 57600 Bps

#### Plug-and-Play Functionality

- No software or drivers required
- Hardware included for mounting on wall, rack or pole
- Compatible with all Tripp Lite B160-Series A/V over IP transmitters

#### TAA-Compliant

- Compliant with the Federal Trade Agreements Act (TAA) for GSA Schedule purchases

## Specifications

| OVERVIEW                                       |   |
|--|---|
| UPC Code                                       | 037332196767                              |
| Product Type                                   | Receiver                                  |
| Technology                                     | Component; IR; A/V over IP; Cat5/5e; Cat6 |
| VIDEO  |   |
| Max Supported Video Resolution                 | 1920x1080 (1080i @ 60Hz)                  |
| Max 1280 x 720 (720p) Range (ft)               | 328                                       |
| Receiver/Transceiver Video Output              | Component (RCA)                           |
| Receiver - Number of Video Outputs             | 1   |
| Range Extension using other Tripp Lite product | 328ft                                     |
| Recommended Cabling                            | N202-Series Cat6 Patch Cable              |
| Other Tripp Lite product used to extend range  | network switch                            |
| HDR Support                                    | No  |
| 3D Video Supported                             | Yes                                       |
| Maximum Signal Range (ft)                      | 328                                       |
| Maximum Signal Range (m)                       | 100                                       |
| AUDIO  |   |



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|--|--|
| Audio Output                                   | RCA (x2) Stereo  |
| Audio Specification                            | Stereo Audio   |
| <b>INPUT</b>                                   |  |
| Bus Powered                                    | No   |
| <b>POWER</b>                                   |  |
| Power Source Type                              | AC Adapter   |
| AC Plug Type                                   | NEMA 1-15P; CEE 7/16 Schuko; BS1363; AS/NZS 3112   |
| Power Source                                   | Unit (Included)  |
| Power Over Cable (PoC) Support                 | No   |
| External Power Supply Input Specs (V / Hz / A) | 100-240V / 50-60Hz / 1.0A  |
| External Power Supply Output Specs (V / A)     | 5V/2A  |
| External Power Supply Cord Length (ft.)        | 4.5  |
| External Power Supply Cord Length (m.)         | 1.4  |
| DC Barrel Plug                                 | OD: 5.5 x 2.1 x 7.5mm, Positive Pin, Negative Sleeve   |
| Power Consumption (Watts)                      | 5.3  |
| <b>USER INTERFACE, ALERTS &amp; CONTROLS</b>   |  |
| LED Indicators                                 | RJ45 Output (Green / Power, Orange / Signal), Channel Signal (Red), Power (Green)  |
| <b>PHYSICAL</b>                                |  |
| Material of Construction                       | Steel  |
| Color  | Black  |
| Included Mounting Accessories                  | Wallmount  |
| Number of Displays                             | 1  |
| Optional Mounting Accessory Notes              | Can DIN Mount using Tripp Lite Bracket &nbsp;<a class="productLink" href="//www.tripplite.com/din-rail-mounting-bracket-for-digital-signage-version-2-B110-DIN-02">B110-DIN-02</a>&nbsp; |
| Form Factor/Mounting Options                   | Box; Wall-mount  |
| Rackmountable                                  | Yes  |
| Shipping Dimensions (hwd / in.)                | 2.17 x 10.24 x 6.46  |
| Shipping Weight (lbs.)                         | 1.59   |
| Unit Dimensions (hwd / in.)                    | 1.2 x 5 x 3.9  |
| Unit Packaging Type                            | Box  |
| Unit Weight (lbs.)                             | 0.2  |



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| Unit Weight (kg)                             | 0.09                                     |
| Housing                                      | Metal                                    |
| <b>ENVIRONMENTAL</b>                         |  |
| Operating Temperature Range                  | 14 to 167 F (-10 to 75 C)                |
| Storage Temperature Range                    | -4 to 176 F (-20 to 80 C)                |
| Relative Humidity                            | 0% to 85%, Non-Condensing                |
| BTUs   | 18.1 BTU/Hr                              |
| <b>COMMUNICATIONS</b>                        |  |
| Signal Range (ft.)                           | 328                                      |
| Signal Range (m)                             | 100                                      |
| EDID Compatible                              | No                                       |
| IR Remote Extension Support                  | Yes                                      |
| RS-232 Serial Extension Support              | Yes                                      |
| Consumer Electronics Control (CEC) Supported | No                                       |
| Latency                                      | 2-3 seconds                              |
| USB Extension Support                        | No                                       |
| <b>CONNECTIONS</b>                           |  |
| Number of Ports                              | 8  |
| Side A - Connector 1                         | (5) RCA (FEMALE)                         |
| Side B - Connector 1                         | RJ45 (FEMALE)                            |
| <b>FEATURES &amp; SPECIFICATIONS</b>         |  |
| Driver Required                              | No                                       |
| Recommended Category Cable                   | N202-Series Cat6 Patch Cable             |
| 10/100 Ethernet Extension Support            | No                                       |
| Built-In Equalizer                           | No                                       |
| <b>STANDARDS &amp; COMPLIANCE</b>            |  |
| External Power Supply Certifications         | BSMI; CB; CE; FCC; GS; PSE; RCM; UL; cUL |
| Certification & Compliance                   | CE (Europe); RoHS; REACH; FCC (USA)      |
| <b>WARRANTY</b>                              |  |
| Product Warranty Period (Worldwide)          | 1-year limited warranty                  |



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